

Parag Bhat

SOFTWARE DEVELOPER | CYBERSECURITY RESEARCHER

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PROFESSIONAL SUMMARY

B.Tech CSE student specialising in full-stack software development, AI/ML engineering, and cybersecurity, with hands-on internship experience building REST APIs and production back-end systems. Delivered three independent software projects — an LLM security layer, an ML-powered SaaS platform, and a MERN-stack collaboration tool — each with real-world deployment and measurable impact. **All India Rank 57** at BITS Goa Hackathon (600+ teams); co-authored research paper accepted at 4 international conferences. Seeking software engineering, AI/ML, or cybersecurity internship roles where deep technical skills meet cross-functional leadership.

EDUCATION

B.Tech — Computer Science and Engineering (Cybersecurity and Forensics) MIT World Peace University, Pune CGPA: 8.54 (Current 5 th Sem)	Expected 2028
12th Standard (HSC) — 92.4% Maharashtra State Board	2024
10th Standard (SSC) — 87% Podar International School, Ahmedabad	2022

TECHNICAL SKILLS

Languages	C · C++ · Python · JavaScript (ES6+) · SQL
Frontend	React.js · Next.js · HTML5 · CSS3 · Tailwind CSS · AntiGravity
Backend	Node.js · Express.js · REST API Design · JWT Authentication · Middleware Architecture
Databases	MongoDB · PostgreSQL · Supabase · MySQL
AI / ML	Machine Learning · CNN · NLP · LLM Security · NumPy
Cybersecurity	Kali Linux · CTF · Threat Detection · Prompt Injection Defence
Tools & Platforms	Git · GitHub · VS Code · GitHub API · Notion API · Arduino · IoT

WORK EXPERIENCE

Back-End Developer Intern GetNomik — Software Engineering Internship Certificate of Completion & Letter of Recommendation issued	Oct 2025 – Present
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- Designed and deployed **RESTful APIs** using Node.js and Express.js; optimised database queries and middleware pipeline, reducing average API response latency by 30%.
- Maintained and scaled back-end infrastructure across production environments, implementing structured error handling, request logging, rate limiting, and security middleware for a live SaaS product.
- Collaborated with front-end engineers to align API contracts, accelerating feature delivery cycles and ensuring seamless integration across the application stack.

Vice President — Computer Science Club (IRIS MITWPU) MIT World Peace University — Student Leadership, Pune (previously Head of R&D, 10 months; Technical Researcher, 10 months)	Apr 2026 – Present
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- Leading a **100+ member** CS club, driving R&D initiatives, inter-college technical events, and cross-team strategy; elevated club activity by 60% in one academic year.
- Organised 2 research workshops on applied ML and cybersecurity for students and faculty; mentored junior members on project development and hackathon participation.

Liaison Officer & Event Lead MIT-WPU & Industry Events	2024 – Present
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- Event Executive for DevConf 2026 in MIT-WPU, Coordinated MIT Convocation, BANA, BCS hackathons, and Zomaland (10,000+ attendees); managed backstage and speaker logistics for **Capgemini EVP** and 14+ Concerts.

PROJECTS

AEGIS-Q — LLM Security & Prompt Injection Defence Layer

AI / Cybersecurity

Python · NLP · Machine Learning · LLM Security · REST APIs · Threat Detection github.com/ParagBhat2007/CIPH-101-Turned_On

- Engineered a **real-time AI security middleware** that intercepts prompt-injection and adversarial inputs before reaching the LLM context, using an intent-based NLP classifier trained on adversarial payloads.
- Built a live incident-response pipeline with sensitivity-aware data protection, blocking harmful instructions at the API gateway layer where traditional rule-based defences fail.
- Designed a modular architecture enabling plug-and-play integration with any LLM endpoint, reducing adversarial attack-surface exposure with sub-50 ms interception latency.

MAQ NARCOS — ML-Powered Drug-Trafficking Detection Platform

SaaS / ML Research

Python · CNN · Machine Learning · Data Analytics · Secure Evidence API · SaaS Architecture github.com/ParagBhat2007/MAQ-NARCOS

- Developed a **SaaS surveillance platform** using Convolutional Neural Network models to detect drug-trafficking signals across encrypted communication channels with 95%+ pattern-recognition accuracy.
- Built a law-enforcement-grade evidence collection module with secure real-time monitoring, chain-of-custody logging, and exportable reports for investigative use.
- **Co-authored research paper** on the system's methodology; paper submitted to and accepted at 4 international conferences, validating the approach as a novel applied-ML contribution.

CrossThink — Interdisciplinary Academic Collaboration Platform

Full-Stack Web Application

MongoDB · Express.js · React.js · Node.js · GitHub API · Notion API · JWT Auth · Smart Matching github.com/crossthink4u/crossthink-A

- Architected a **full-stack MERN application** connecting 100+ students and faculty across departments; features smart skill-matching, project discovery, cross-team formation, and faculty-mentor integration.
- Integrated GitHub and Notion APIs for live project tracking; implemented JWT-based authentication, role-based access control, and a unified task dashboard for timelines and milestones.
- Delivered real-time notifications and a project-management layer that reduced cross-departmental coordination overhead by approximately 40%, validated through user testing sessions.

HACKATHONS AND COMPETITIVE PROGRAMMING

All India Rank 57	BITS Goa Hackathon	Web Development Track — 600+ competing teams nationwide
Top 25 — Round 2 Finalist	Smart India Hackathon 2024	Government of India initiative — 500+ teams, national level
Rank 5	CTF x HackX Cybersecurity Challenge	College-level Capture The Flag competition
Finalist	Physics Robot Building Competition	Among B.Tech CSE students, MIT-WPU

ACHIEVEMENTS AND RECOGNITION

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| <ul style="list-style-type: none">▸ Student Achiever of the Year 2024–25 — MIT-WPU B.Tech CSE Dept.▸ 4 International Conference Submissions — MAQ NARCOS research paper▸ 5+ Technical Workshops organised and/or attended | <ul style="list-style-type: none">▸ Speaker and Venture Lead — Innovation Expo 2025▸ 10+ Hackathons participated and placed — various technical tracks▸ 6+ Large-Scale Events led as Event Lead (10,000+ attendees) |
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